

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

<b>INFORMATION DISCLOSURE STATEMENT (PTO 1449)</b>		ATTORNEY DOCKET NO. <b>70089.0009USD1</b>	
		U.S. APPLICATION SERIAL NO. <b>09/961,086</b>	CONFIRMATION NO. <b>6592</b>
		FILING DATE <b>September 21, 2001</b>	
INVENTOR(S) <b>Douglas D. Ross et al</b>		EXAMINER <b>Susan Nmn Ungar</b>	
TITLE OF APPLICATION <b>BREAST CANCER RESISTANCE PROTEIN (BCRP) AND THE DNA WHICH ENCODES IT</b>		GROUP ART UNIT <b>1642</b>	

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A 2003/0232362	12/2003	Komatani et al			

FOREIGN PATENT DOCUMENTS						
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	B					

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
C	Doyle et al (PNAS, 1999, 96:2569)
D	Freshney (Culture of Animal Cells, A Manual of Basic Technique, Alan R. Liss, Inc., 1983, New York, p4)
E	Dermer (Bio/Technology, 1994, 12:320)
F	Zips et al (In vivo, 2005, 19:1-7)
G	Brennan et al (Journal of Autoimmunity, 1989, vol. 2 suppl., pp. 177-186)
H	Zimmer (Cell Motility and the Cytoskeleton, 1991, vol. 20, pp. 325-337)
I	Eriksson et al (Diabetologia, 1992, vol. 35, pp. 143-147)
J	Hell et al (Laboratory Investigation, 1995, Vol. 73, pp. 492-496)
K	Powell et al (Pharmacogenesis, 1998, Vol. 8, pp. 411-421)
L	Carrere et al (Gut, 1999, vol. 44, pp. 545-551)
M	Vallejo et al (Biochimie, 2000, vol. 82, pp. 1129-1133)
N	Guo et al (Journal of Pharmacology and Experimental Therapeutics, 2002, vol. 300, pp. 206-212)
O	Jang et al (Clinical and Experimental Metastasis, 1997, vol. 15, pp. 469-483)
P	Greenbaum et al (Genome Biology, 2003, Vol. 4, Issue 9, pages 117.1-117.8)
Q	Jansen, et al, 1995, Pediatric Res., 37(6):681-686
R	Alberts et al (Molecular Biology of the Cell, 3 <sup>rd</sup> edition, 1994, page 465)
S	Shantz and Pegg (Int J of Biochem and Cell Biol., 1999, Vol. 31, pp. 107-122)

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if the reference is considered, whether or not the citation is in conformance with MPEP 609. Draw a line through the citation if it is not in conformance and it is not considered. Include a copy of this form with the next communication to the Applicant.

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## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

T	McClellan and Hill (Eur J of Cancer, 1993, vol. 29A, pp. 2243-2247)
U	Fu et al (EMBO Journal, 1996, Vol. 15, pp. 4392-4401)
V	Polynucleotide Sequence Genbank Accession No.: U66681 (GI:1906566)
W	Polypeptide Sequence Genbank Accession No.: AAC97367 (GI:4038352)
X	Ross, D.D.; Doyle, L.A.; Hazlehurst, L.A.; Yang, W.; Greenberg, L.W.; Hacker, M.; Abruzzo, L.V.; Dalton, W.S.; Mitoxantrone-resistant human 8226 myeloma cells overexpress breast cancer resistance protein (BCRP); Blood 1998 Nov 15;92(10 Supp 1 Pt 1):676a. The data were presented at the conference "The American Society of Hematology 40 <sup>th</sup> Annual Meeting" held on December 4-8, 1998, in Miami Beach, Florida, USA (abstract # 2785)
Y	Ross, D.D.; Karp J.; Yang, W.; Gao, Y.; Abruzzo, L.V.; Doyle, L.A.; Expression of breast cancer resistant protein (BCRP) in blast cells from patients with acute myeloid leukemia (AML); Blood 1998 Nov 15;92(10 Supp 1 Pt 1):386a. The data were presented at the conference "The American Society of Hematology 40 <sup>th</sup> Annual Meeting" held on December 4-8, 1998, in Miami Beach, Florida, USA (abstract # 1595)
Z	Doyle LA, Yang W, Abruzzo LE, Krogmann T, Gao Y, Rishi AK, Ross DD. Cloning and characterization of breast cancer resistance protein (BCRP), a novel ATP-binding cassette (ABC) transporter that may contribute to the multidrug-resistance phenotype of MCF-7/AdrVp breast cancer cells; Proceedings of the American Association for Cancer Research Annual Meeting 1998 March; 39:657. The data were presented at the conference "89 <sup>th</sup> Annual Meeting of the American Association for Cancer Research" held on March 28-April 1, 1998, New Orleans LA, USA (abstract #4475)
AA	Sequence alignment of SEQ ID NO:2 and EST 157481
BB	Sequence alignment of SEQ ID NO:1 and AAC97367,1
CC	Stryer, L. <i>Biochemie</i> , Chapter 35 "Molekulare Immunologie", page 925-933, Korr. Nachdruck 1991, Heidelberg (Spektrum Akademischer Verlag) 1991
DD	Watson, D. <i>Rekombinierte DNA</i> , Chapter 12, page 209-210, 2. Auflage, Heidelberg (Spektrum Akademischer Verlag) 1993
BB	Stryer, L. <i>Biochemie</i> , last page, table "Der genetische Standardcode", Korr. Nachdruck 1991, Heidelberg (Spektrum Akademischer Verlag) 1991
CC	European Opposition to European Patent No. 1054894

EXAMINER

/Laura B. Goddard/

DATE CONSIDERED

09/26/2008

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